ODS 110

OBSTRUCTION DATA SHEET

ODS 110
DAYTONA BEACH REGIONAL AIRPORT
DAYTONA BEACH, FLORIDA

DIGITIZED FROM

OC 110
SURVEYED DECEMBER 1988
10TH EDITION

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C 55.411/3:

OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA Nr. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS (and OC) depict a representation of objects that existed at the time of the OC field survey.

ODS information is arranged as follows:

1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)

2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows (see footnote 2 on page 3):

A(V) ..... Utility runway - visual approach only
A(NP) .... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C .... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D .... Nonutility runway - nonprecision instrument approach with visibility minimums as low as 3/4 mile
PIR ...... Precision instrument runway
SUPLC ... Supplemental C underlying a B(V)

FAR-77 imaginary surface dimensions are defined on page 2 of this report.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.

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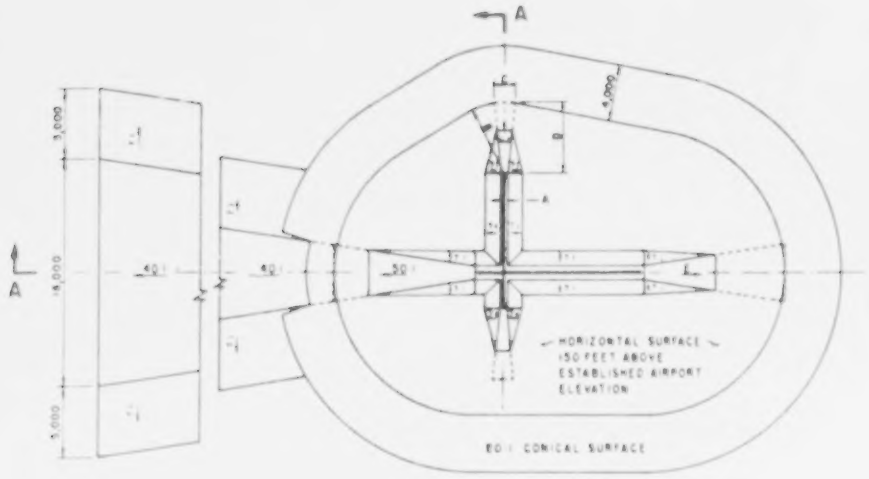
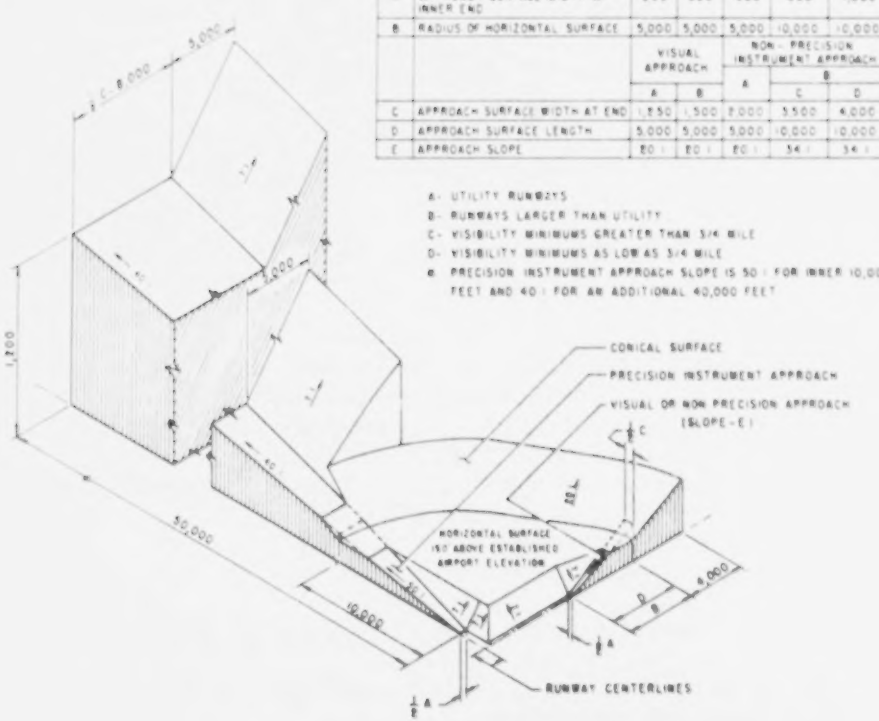


DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B		
					C	D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B		
					C	D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	e
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	e

A- UTILITY RUNWAYS
B- RUNWAYS LARGER THAN UTILITY
C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
e PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET


CONICAL SURFACE
PRECISION INSTRUMENT APPROACH
VISUAL OR NON PRECISION APPROACH (SLOPE-E)
HORIZONTAL SURFACE 150 ABOVE ESTABLISHED AIRPORT ELEVATION
RUNWAY CENTERLINES

ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X[1] X[2] XXXX/XXXX[3] XXXXXX.XXX[4] XXXXXXX.XXX[4] XXXXXXX[5] XXXX/XXXX[6] XXXXXX.XXX[7] XXXXXXX.XXX[7]

OBJECT	LAT	LONG	A[8]	ELEV[9]	AGL[10]	HAR[11]	HAT[11]	HAA[11]	DEND[12]	DTHR[12]	DCLN[12]	PNTR[13]
XXXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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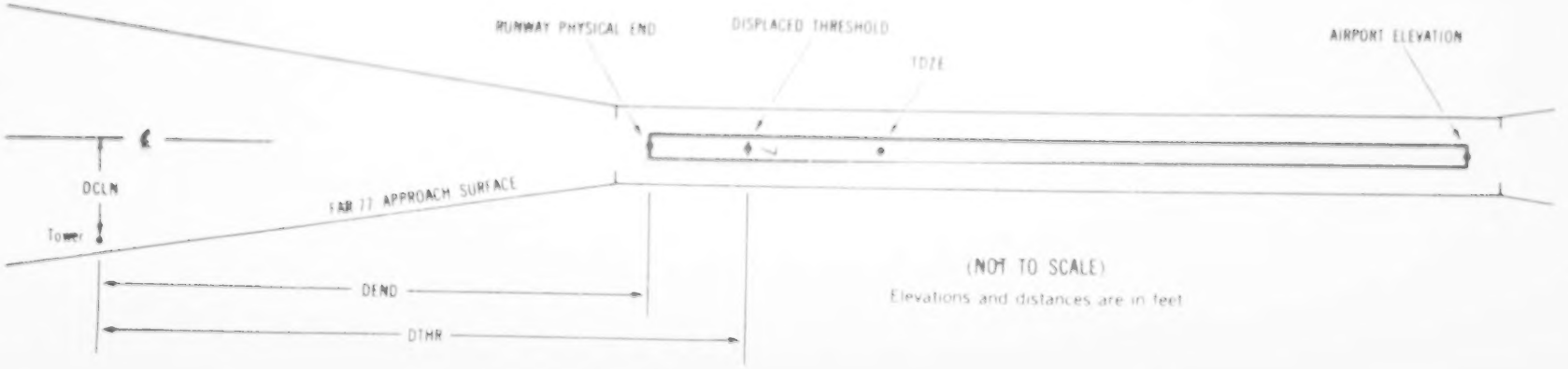

(NOT TO SCALE)

Elevations and distances are in feet

EXPLANATION OF FOOTNOTES

[1] Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary area of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.

[2] For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed.)

[3] Reference runway approach physical end elevation/touchdown zone elevation

[4] Latitude and longitude of reference runway approach physical end

[5] Reference runway geodetic azimuth reckoned clockwise from south

[6] Reference runway displaced threshold elevation/touchdown zone elevation

[7] Latitude and longitude of reference runway displaced threshold

[8] Accuracy Code:

Horizontal	Vertical
1 = 20	A = 2
2 = 40	B = 5
	C = 20

[9] Mean Sea Level (MSL) elevation at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.

[10] Height above ground level (AGL). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is ±10 feet.

[11] HAA - Height above airport
HAR - Height above reference runway approach physical end
HAT - Height above reference runway touchdown zone elevation

[12] DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end
DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway threshold
DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft.

A negative value for DEND or DTHR indicates object is in primary area on roll-out side of zero distance point.

[13] PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

OC0110

AIRPORT ELEVATION 35

7L PIR 31/32 291032.684N 0810410.127W 2451215

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL WINDSOCK	291057.21	0810303.36	1A	56		25	24	21	-6412		233R	21
OL ON GLIDE SLOPE	291034.22	0810355.59	1A	70		39	38	35	-1235		400R	39
OL WINDSOCK	291038.83	0810400.90	1A	51		20	19	16	-1003		220L	20
TREE	291033.37	0810425.39	1A	73		42	41	38	1199		630L	22
TREE	291032.72	0810427.58	1A	82		51	50	47	1404		652L	27
TREE	291026.37	0810442.99	1A	87		56	55	52	2912		643L	2
SIGN	291009.66	0810512.47	1A	110		79	78	75	5993		207L	-37

25R C 34/35 291103.817N 0810253.321W 0651252

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL WINDSOCK	291038.83	0810400.90	1A	51		17	16	16	-6497		220R	20
OL ON GLIDE SLOPE	291034.22	0810355.59	1A	70		36	35	35	-6264		400L	39
OL WINDSOCK	291057.21	0810303.36	1A	56		22	21	21	-1088		233L	21
TREE	291109.73	0810248.11	1A	39		5	4	4	670		349R	-9
OL ON LOCALIZER	291109.00	0810240.53	1A	36		2	1	1	1248		0R	-29
TREE	291117.40	0810217.30	1A	100		66	65	65	3474		93L	-30

7R A(V) 30/34 291032.782N 0810325.455W 2450813

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD (N)	291029.82	0810332.69	1A	45		15	11	10	708		2R	-10
TREE	291026.81	0810338.35	1A	84		54	50	49	1290		66R	-1
TREE	291026.03	0810338.18	1A	83		53	49	48	1311		144R	-3

OC0110

AIRPORT ELEVATION 35

25L A(V) 33/34 291046.087N 0810252.736W 0350829

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	291047.52	0810248.19	1A	38		5	4	3	427		38L	-6

16 C 32/35 291121.685N 0810321.432W 3370927

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL WINDSOCK	291115.33	0810315.63	1A	52		20	17	17	-791		224L	20
ROAD (N)	291129.28	0810321.03	1A	48		16	13	13	693		331L	1
TREE	291135.98	0810331.47	1A	67		35	32	32	1676		259R	-8

34 C 33/35 291045.193N 08103 3.917W 1570935

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL WINDSOCK	291115.33	0810315.63	1A	52		19	17	17	-3208		224R	20
FENCE CORNER	291040.50	0810258.57	1A	39		6	4	4	621		253R	-6
TREE	291024.26	0810258.93	1A	84		51	49	49	2121		413L	-5

OC0110

AIRPORT ELEVATION 35

ARP 291050.467N 0810321.618W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
ANTENNA ON OL RTR TOWER	291046.02	0810315.43	1A	93		58	133 0	709
ANTENNA ON OL CONTROL TR	291042.99	0810321.46	1A	150		115	182 38	755
TREE	291041.37	0810329.29	1A	67		32	220 11	1143
OL WINDSOCK	291036.25	0810321.02	1A	51		16	181 36	1437
ANTENNA ON BUILDING	291102.39	0810333.10	1A	68		33	323 31	1577
ANT AND APBN ON OL BLDG	291106.82	0810325.36	1A	106		71	352 21	1684
FLOODLIGHT	291059.32	0810338.26	1A	73		38	304 56	1725
TREE	291031.26	0810319.13	1A	81		46	177 13	1953
TREE	291031.07	0810313.99	1A	109		74	164 39	2073
OL ON BUILDING	291054.21	0810256.33	1A	57		22	84 7	2274
OL WINDSOCK	291042.09	0810257.01	1A	56		21	114 53	2340
HANGAR	291048.94	0810254.66	1A	53		18	97 24	2395
ANTENNA ON BUILDING	291110.50	0810305.94	1A	88		53	38 11	2455
TREE	291026.02	0810324.79	1A	119		84	190 11	2485
TREE	291025.47	0810328.36	1A	102		67	197 1	2594
TREE	291030.09	0810341.19	1A	95		60	223 49	2692
FENCE	291043.51	0810251.12	1A	40		5	108 17	2793
ANTENNA ON ASR	291051.14	0810353.41	1A	109		74	275 6	2819
ANTENNA ON OL RADOME	291054.79	0810249.35	1A	105		70	85 1	2894
HANGAR	291120.03	0810327.34	1A	51		16	354 4	3029
LIGHT STANDARD	291111.99	0810253.43	1A	59		24	52 40	3312
ANTENNA ON MAST	291116.45	0810245.68	1A	84		49	54 13	4128
TREE	291041.50	0810410.11	1A	90		55	261 48	4394
TREE	291104.92	0810228.96	1A	91		56	76 20	4891
OL ON BUILDING	291138.17	0810336.17	1A	68		33	348 43	4988
TREE	291021.29	0810413.90	1A	101		66	241 15	5492
MICROWAVE DISH ON MAST	291144.47	0810307.99	1B	142		107	16 11	5587
TREE	291034.56	0810422.98	1A	75		40	257 15	5672
OL ON BUILDING	291115.14	0810424.99	1B	189		154	297 38	6145
ANTENNA ON BUILDING	291203.77	0810313.22	1B	206		171	9 26	7442
TREE	291029.61	0810445.56	1A	107		72	257 54	7734
RADIO TOWER	291158.26	0810215.81	1B	185		150	44 7	8995
OL ON MICROWAVE TOWER	291152.35	0810138.63	1B	198		163	59 18	11063

AIRPORT ELEVATION 35

ARP 291050.467N 0810321.618W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
OL TANK	291243.82	0810330.80	1B	170		135	359 38	11479
ROD ON OL RADIO TOWER	291118.39	0810027.44	2A	305	300	270	83 20	15695

TOUCHDOWN ZONE RUNWAY	ELEVATION
7L	32
25R	35
7R	34
25L	34
16	35
34	35

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DAYTONA BEACH, FLORIDA

(NOT TO SCALE)